

ABSTRACT

A directional antenna device for receiving a radio wave in a microwave band transmitted from a communication unit provided on a movable mobile body, by using an antenna unit having directivity and provided on a fixed body fixed to a predetermined position. The antenna unit includes: a plurality of directional antennas arranged with directivities in different directions; and reception selection unit for selecting one of the plurality of directional antennas arranged in the transmission direction in which the radio wave reaches the fixed body, thereby receiving the radio wave. Thus, it is possible to provide a directional antenna device capable of performing stable transmission and reception without being affected by the relative position between the mobile body and the fixed body.